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# JKPSC ROS

**Previous Year Paper**  
**(Field Crops)**  
**Dec, 2020**



Total No. of Printed Pages-3]

Roll No. \_\_\_\_\_

2(ROS)0  
FIELD CROPS  
PAPER - 2

Time Allowed - 3 Hours

Maximum Marks-200

**INSTRUCTIONS**

*Read each of the following instructions carefully.*

- i) *Candidates are in their own interest advised to go through the instructions before attempting the paper.*
- ii) *Attempt any five questions. All questions carry equal marks.*
- iii) *The number of marks carried by each question is indicated against it.*
- iv) *The questions shall be attempted in sequential order. Partially attempted questions shall also be counted.*
- v) *Any page or portion of the page left blank must be clearly struck off by putting cross mark (×).*
- vi) *Answers must be written in ENGLISH only.*
- vii) *Neat diagrams must be given in questions requiring them.*
- viii) *If you encounter any typographical error, please read it as it appears in the text.*

2(ROS)0-FC-2/2020

(1)

[Turn Over

1. a) What are the advantages and disadvantages of transplanted and direct seed rice crop?  
b) Explain the seed bed preparations, varieties, sowing time, spacing, seed rate, water and nutrient management in wheat crop?
2. a) Explain the following :
  - 1) Weed control in rice.
  - 2) Method of planting in maize.b) Explain the seed bed preparations, varieties, sowing time, spacing, seed rate, water and nutrient management in barley crop?
3. a) Give botanical name, time of sowing, seed rate (kg/ha), spacing, optimum fertilizer dose (kg/ha) and critical stages of irrigation of following crops (**any four**) :
  - 1) Sesamum
  - 2) Sunflower
  - 3) Green gram
  - 4) Linseed
  - 5) Soybeanb) Describe the following points of groundnut cultivation.
  - 1) Soil type
  - 2) Peg
  - 3) Gypsum application
  - 4) Water management
  - 5) Weed control
4. a) Explain the important agronomic practices for cultivation of cotton crop?  
b) Give botanical name, time of sowing, seed rate (kg/ha), spacing, optimum fertilizer dose (kg/ha) and critical stages of irrigation of following crops (any four):
  - 1) Blackgram
  - 2) Tobacco
  - 3) Lentil
  - 4) Fodder oat
  - 5) Berseem

5. a) What important points should be considered while selecting seed material of potato?
- b) Explain the following :
- 1) Importance of pulses in nutrition.
  - 2) Constraints in pulse crop production.
6. a) Give classification of maize based on the character of kernels.
- b) Explain the nutrient and water management in mustard crop?
7. a) Role of legumes forage in soil fertility?
- b) Explain the bailing and densification of hay?
8. a) Explain the methods of making silage?
- b) Explain improvement and restoration techniques for degraded grassland?
9. a) Explain the following :
- 1) Method of planting in sugarcane.
  - 2) Sugarcane ratooning.
- b) Why are the advantages of autumn planting of sugarcane?
10. Explain the following fodder sorghum.
- a) HCN poisoning in fodder sorghum.
  - b) Cutting stages of single - cut and multi - cut varieties of fodder sorghum.
  - c) Irrigation in fodder sorghum.
  - d) Mixed cropping in sorghum



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